

$$1. 66 \text{ Mm} \times \frac{10^6 \text{ m}}{1 \text{ Mm}} \times \frac{10^2 \text{ cm}}{1 \text{ m}} = 6.6 \times 10^9 \text{ cm}$$

$$2. 3.4 \times 10^8 \text{ hm} \times \frac{10^2 \text{ m}}{1 \text{ hm}} \times \frac{10^3 \text{ mm}}{1 \text{ m}} = 3.4 \times 10^{13} \text{ mm}$$

$$6. 894 \text{ mm} \times \frac{1 \text{ m}}{10^3 \text{ mm}} \times \frac{10^2 \text{ cm}}{1 \text{ m}} = 8.94 \times 10^1 \text{ cm}$$

$\begin{matrix} \times 10^x \\ \text{EXP} \end{matrix}$

$$8.125 \text{ EE } -29 \div \frac{10^9 \times 9}{10^1 \wedge 9} \div \frac{10^9 \times 3}{10^1 \wedge 3} = 8.125 \times 10^{-41} \text{ KL}$$

$$7. 8.125 \times 10^{-29} \text{ nL} \times \frac{1 \text{ L}}{10^9 \text{ nL}} \times \frac{1 \text{ kL}}{10^3 \text{ L}} =$$

$$\frac{10^{-29}}{10^{12}} = -29 - 12 = -41 \rightarrow 8.125 \times 10^{-41} \text{ KL}$$

$$10. 88 \text{ cm} \times \frac{1 \text{ m}}{10^2 \text{ cm}} \times \frac{10^1 \text{ dm}}{1 \text{ m}} = 8.8 \text{ dm}$$

$$\frac{10^1}{10^2} = 10^{-1}$$